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(RE)DEPLOYABLE MILITARY SHOOTING RANGE FOLDABLE CONTAINER TECHNOLOGY



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(RE)DEPLOYABLE MILITARY SHOOTING RANGE FOLDABLE CONTAINER TECHNOLOGY



A UNIQUE MOBILE SHOOTING RANGE SYSTEM BASED ON FOLDABLE CONTAINER TECHNOLOGY

The mobile shooting range system was developed within the framework of a joint research and development project with the Institute of Modernization of the Hungarian Defence Forces in order to create dynamically relocatable and safe environment for conducting shooting exercises.

During the development, we created an armoured and soundproof shooting range based on a new foldable solution specially developed by ContiNest for this project, that is suitable for live fire exercises with military steel core ammunition. A solution which is unique in the world.



- ▶ Transportable using three flatbed semi-trailer trucks or five 20-foot side-loading container trailers due to cargo weight and dimensions.
- ▶ The infrastructure can be relocated and fully operational within 12 hours.
- ▶ Thanks to its modular design, the shooting distance can be increased as desired. The standard configuration with 6 innovative foldable armoured and noise insulated modules provides a 15m range for static shooting.
- ▶ Either 4-person static or 1-person dynamic shooting exercises can be performed in the shooting range. The total number of shooting positions can be reconfigured to 5.
- ▶ Ballistic protection is ensured by the SSAB ArmoX 600T armour.
- ▶ AAM ARP2006 Level 7 protection. The complete small arm range of the Hungarian Armed Forces can be used in the shooting range with standard ammunition (except for armour piercing and tracer rounds) – 0.22mm, 9mm, 5.56 and 7.62 NATO calibre.





- ▶ The shooting range entirely armoured and its internal surfaces are completely ricochet-proof, thus protecting those inside and outside the shooting range from injuries caused by negligent discharges.
- ▶ The armour of the shooting range also prevents active shooters from firing outwards. No rojectile can leave the shooting range neither through the container connections nor the air-ducts, thus the shooting range can be safely operated even in a populated area.
- ▶ Thanks to its unique sound-absorbing wall structure specially designed to reduce the noise of shots, the in-use noise load of the shooting range reaches a maximum of 50 to 70 decibels, which is lower than the average street noise, so it can be used from early morning until late evening without disturbing the surrounding population.



- ▶ The HVAC container is a separate structural unit, which is a complex ventilation system built into a 20-foot container. It ensures the proper extraction of hazardous gases generated during shooting, the supply of fresh air, and the heating and cooling of the shooting range.
- ▶ The shooting booth allows the command and control of a maximum 4-person shooting exercise (in standard configuration). The booth also supplies the control the air conditioning and the light effects addition to safe storage for weapons and ammunition.
- ▶ The bullet trap is made of 10mm ArmoX 600T plates and a ventilation unit is installed in the last 20-foot container.
- ▶ The bullet trap efficiently absorbs the energy of the impacting projectiles and directs them into trays that can be emptied without exposure to heavy metals.
- ▶ The ballistic protection system of the shooting range was developed in cooperation with SSAB, Linde and the Technical University of Budapest. All ballistic tests were executed and certified by HDF.



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